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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/559,840	12/08/2005	Javier Del Prado Pavon	PHUS030168	9613
24737 7590 02/20/2008 PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			EXAMINER LIU, BEN H	
			ART UNIT 2616	PAPER NUMBER
			MAIL DATE 02/20/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

**Application No.**

10/559,840

**Applicant(s)**

DEL PRADO PAVON ET AL.

**Examiner**

Ben H. Liu

**Art Unit**

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on December 8<sup>th</sup>, 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date December 8<sup>th</sup>, 2005.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Ho et al. (U.S. Patent Application Publication 2003/0169769).

For claims 1, 2, and 11, Ho et al. disclose a frame structure of packet data for transmission over a data network, comprising: a plural number of MAC (Media Access Control) data frames (*see paragraph 15, which recites an aggregation frame that includes a plurality of MAC frames*); and a PLCP (Physical Layer Control Procedure) overhead including a PLCP preamble and a PLCP header (*see paragraph 38, which recites a physical layer PHY preamble and PHY header*), wherein only a single one of said PLCP overhead is provided to all said plurality of MAC data frames (*see paragraph 40, which recite transmitting multiple MAC frames using a single overhead and preamble information*).

For claims 3 and 13, Ho et al. disclose a frame structure of packet data for transmission over a data network wherein said MAC data frames comprise a concatenated MAC frame header indicating said plural number (*see paragraph 41, which recites a MAC header of the aggregate frame containing a frame subbody count field*).

For claims 4 and 14, Ho et al. disclose a frame structure of packet data for transmission over a data network wherein said concatenated MAC header further indicates a length of said plurality of MAC data frames (*see paragraph 45, which recite a subbody length field*).

For claim 5, Ho et al. disclose a frame structure of packet data for transmission over a data network further comprising a step of inserting said PLCP preamble after transmission of some of said plurality of MAC data frames (*see paragraph 38*).

For claims 6 and 12, Ho et al. disclose a frame structure of packet data for transmission over a data network wherein said single PLCP overhead is provided in front of a first one of said plurality of MAC data frames (*see paragraphs 36 and 38*).

For claims 7 and 16, Ho et al. disclose a frame structure of packet data for transmission over a data network wherein each of said plurality of MAC data frames comprises a MAC header portion, a MAC frame body portion and a CRC (Cyclic Redundancy Check) portion (*see paragraph 38*).

For claims 8 and 17, Ho et al. disclose a frame structure of packet data for transmission over a data network wherein said concatenated MAC header indicates a common destination of said plurality of MAC data frames, and said MAC header portion in each of said data frames is a compressed MAC header that does not include a portion indicating said common destination (*see paragraphs 41 and 44*).

For claims 9 and 18, Ho et al. disclose a frame structure of packet data for transmission over a data network wherein said data network is a wireless data network (*see paragraph 36*).

For claims 10 and 19, Ho et al. disclose a frame structure of packet data for transmission over a data network wherein said wireless data network uses IEEE 802.11 protocol (*see paragraph 36*).

For claim 15, Ho et al. disclose a frame structure of packet data for transmission over a data network wherein said concatenated MAC header is located between said PLCP overhead and said first one of said plurality of MAC data frames (*see paragraph 36*).

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. (*see form PTO-892*).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ben H. Liu whose telephone number is (571) 270-3118. The examiner can normally be reached on 9:00AM to 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Firmin Backer can be reached on (571) 272-6703. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

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like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BL

  
FIRMIN BACKER  
SUPERVISORY PATENT EXAMINER